

BAUDOUIIN 220-330 kVA

Technical Specifications



ENGINE

- BAUDOUIIN series heavy duty diesel engine
- 4 cycle, water cooled turbocharged & air to air charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

BAUDOUIIN Series Diesel Generator Sets 220-330 KVA

MODEL				BD XX 0220	BD XX 0250	BD XX 0275	BD XX 0330
GROUP	GEN - SET POWER	STAND BY	kVA	220	250	275	330
			kW	176	200	220	264
		PRIME	kVA	200	225	250	300
			kW	160	180	200	240
	CANOPY DIMENSION (W x L x H) mm			1150 x 3820 x 2460	1150 x 3820 x 2460	1150 x 3820 x 2460	1400 x 3705 x 2645
	CANOPY WEIGHT kg			2140	2235	2250	2690
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 1860	1150 x 3340 x 1860	1150 x 3340 x 1860	1400 x 3250 x 1750
	OPEN WEIGHT kg			1845	1935	1950	2285
ENGINE	BRAND			BAUDOUIIN	BAUDOUIIN	BAUDOUIIN	BAUDOUIIN
	TYPE			6M16G220/5e2	6M16G250/5e2	6M16G275/5e2	6M16G330/5e2
	POWER	STAND BY	kW	200	238	264	320
		PRIME	kW	182	216	240	290
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			9,726	9,726	9,726	9,726
	NUMBER OF CYLINDERS			6 CYLINDERS INLINE	6 CYLINDERS INLINE	6 CYLINDERS INLINE	6 CYLINDERS INLINE
	BORE AND STROKE (mm x mm)			126 X 130	126 X 130	126 X 130	126 X 130
	COMPRESSION RATIO			17:1	17:1	17:1	17:1
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED-INTERCOOLER			
	COMBUSTION SYSTEM			DIRECT			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		42,1	49,7	56,9	70,5
		75% OF PRIME POWER		31,6	37,5	42,2	52,3
50% OF PRIME POWER		21,9	26,0	28,4	35,3		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			24	24	24	30	
TOTAL COOLANT CAPACITY (lt)			50	50	50	50	
FUEL TANK CAPACITY (lt)			380	585	585	585	

